

blooming. Fruit: 10 mm; yellow-brown; shape oval. Tree: hardy in central New York state; fastigiate growth habit; only light cropping; alternate bearing. Leaves: small; grayish green; several pairs of lobes. General appearance unlike most MALUS. R.D. Way, 1991.

The following were developed by Unknown donor, England, United Kingdom. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 05/02/1986.

PI 589318. *Malus domestica* Borkh.

Foxwhelp. Pedigree - Unknown. Recorded in 1664 by Evelyn in his "pomona" an appendix to the Sylva. -- F.C. Bradfield, about 1945. Comments:: Fruit: size large, 80-90 mm, one of largest cider cultivars; skin 40-80% red, dull stripe, not attractive; shape round- oblate; flesh semifirm, cream-colored; flavor slightly acid, astringent; eating quality poor; harvest season early September, 1 wk before Delicious. Tree: nonprecocious cropping; low productivity; fruits drop before ripe; leaf mottling, symptoms of apple mosaic virus. Cider.

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PI 589319. *Malus fusca* (Raf.) C. Schneider

Collected in Unknown. Alaska to California. Pedigree - Known in cultivation in 1836. Comments:: Flowers: single; 20 mm wide; pink to white; not very showy; not useful as ornamental. Fruit: 10 mm; shape oblong; red or yellow; skin not waxy; scant flesh; calyx deciduous; carpels 2,3 or 4. Tree: large; alternate bearing; fruits hang to tree after ripe; leaves lobed. Not highly ornamental.

PI 589320. *Malus ioensis* (Alph. Wood) Britton

Comments:: Same as GMAL 1344.

The following were developed by N.E. Hansen, Agricultural College of South Dakota, Brookings, South Dakota, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 05/02/1986.

PI 589321. *Malus domestica* Borkh.

Red Silver. Pedigree - *Malus Baccata* x *M. Pumila Niedzwetzkyana*; intro. 1928. Comments:: Flower: single; 40 mm diam.; purplish red. Fruit: size very small, 20mm; skin purplish red, too dark to be decorative; shape round; calyx persistent. Tree: low, shrubby form but taller than Sargent. Leaves: deep reddish purple on current season shoots deeply incised; young leaves at shoot tips covered with fine, silvery-white hairs; susceptible to fireblight. Bark: very dark color. Ornamental flowering crab apple, reddish flowers and leaves. --R.D. Way, 1992.

The following were developed by Iowa Agr. Experiment Station, Ames, Iowa, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 05/02/1986.

PI 589322. *Malus domestica* Borkh.

Sharon. Pedigree - McIntosh x Longfield; crossed 1906; introduced 1922. Comments:: Fruit: size above medium, 70-80 mm; skin 50-90% red, striped shape round-oblate; flesh semifirm, cream-colored; flavor subacid,